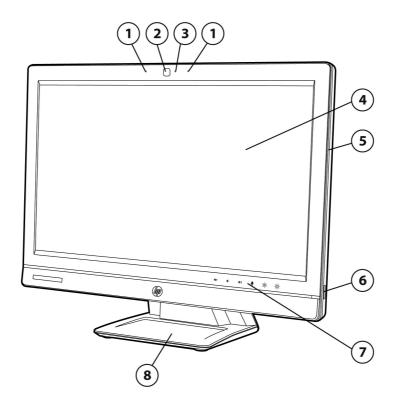
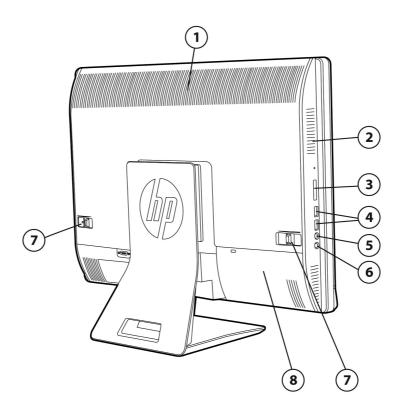
HP COMPAQ PRO 6300 ALL-IN-ONE PC



FRONT

- 1. Dual microphone array
- 2. 2.0 MP Webcam (optional)
- 3. Webcam Activity LED (only on models with Webcam)
- 4. 21-inch diagonal Full HD capable screen
- 5. Optical drive opening
- 6. Power button
- 7. Capacitive Controls for Brightness, Volume, Mic Mute, Speaker Mute
- 8. Stand (can be configured with no stand, basic stand, or height adjustable/reclining stand)

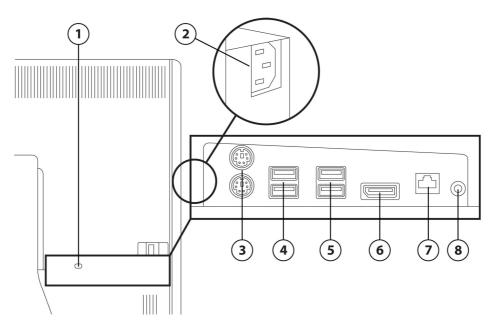
HP COMPAQ PRO 6300 ALL-IN-ONE PC



BACK

- 1. Vent slots
- 2. Side venting
- 3. 6-in-1 Media Card Reader (optional)
- 4. (2) USB 3.0 ports
- 5. Mic input jack
- 6. Headphone jack
- 7. Access panel latches
- 8. Rear port cover

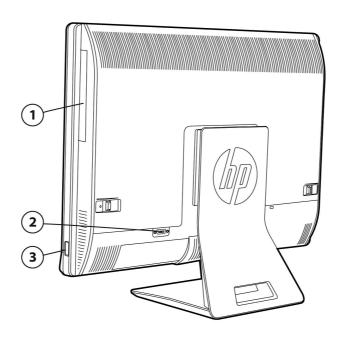
HP COMPAQ PRO 6300 ALL-IN-ONE PC



REAR PORTS (BEHIND COVER)

- 1. Security lock slot
- 2. Power connector
- 3. PS/2 mouse and keyboard connectors
- 4. (2) USB 2.0 ports
- 5. (2) USB 3.0 ports
- 6. DisplayPort connector
- 7. RJ-45 Gigabit Ethernet port
- 8. Stereo line out

HP COMPAQ PRO 6300 ALL-IN-ONE PC



SIDE

- 1. Slim tray-load optical drive
- 2. Optional serial port
- 3. Power button

At A Glance

- Windows® 7 Professional 32- and 64-bit
- UEFI BIOS developed and engineered by HP for better security, manageability and software image stability
- Integrated all-in-one form factor
- 21.5-inch Full HD (1920 x 1080) diagonal widescreen WLED backlit anti-glare LCD
- Landscape or portrait display orientation
- Optional height adjustable/reclining stand
- Intel® Q75 chipset
- Intel 2nd & 3rd generation Core™ processors
- Integrated Intel HD Graphics
- Optional MXM Discrete graphics
- Integrated Intel 82579LM Gigabit Network Connection
 - Optional wireless connectivity:
 - Intel Advanced-N 6205 WLAN (mini PCI Express)
 - Intel 802.11 a/b/g/n
 - O WLAN (mini PCI Express)
 - HP 802.11 b/g/n
 - O WLAN and Bluetooth Combo Card
 - HP 802.11 a/b/g/n
 - Bluetooth® 3.0
- WiDi support (with Intel 6205 WLAN)
- Optional Integrated 2.0 MP webcam & Dual Microphone Array
- High performance integrated stereo speakers
- Optional SRS Premium Sound™
- Up to 16 GB of DDR3 SDRAM, dual channel memory support, two SODIMM slots
- Support for up to 3 storage drives (2 SATA, 1 mSATA)
- Up to 1 TB SATA hard drive, up to 128GB solid state drive, and 256GB Self-Encrypting Solid State Drive
- Optional Slim Tray-load SuperMulti Optical Disc Drive or DVD ROM Optical Disc Drive
- Optional 6-in-1 Media Card Reader
- Optional serial port
- Display port out
- Integrated VESA 100min x 100max mounting hole
- Lockable rear access panel with intrusion sensor
- ENERGY STAR® qualified. EPEAT® registered where applicable/supported. See www.epeat.net for registration status by country.
- CCC, CECP & SEPA Certified
- Qualified for Microsoft Lync
- TCO AiO and Edge
- BFR/PVC Free
- Arsenic Free
- Protected by HP Services, including standard warranties up to 5-5-5 (terms and conditions vary by country; certain restrictions and exclusions apply)

OPERATING SYSTEM

Preinstalled Windows® 7 Ultimate (32-bit)

Windows® 7 Ultimate (64-bit)
Windows® 7 Professional (32-bit)
Windows® 7 Professional (64-bit)
Windows® 7 Home Premium (32-bit)
Windows® 7 Home Premium (64-bit)
Windows® 7 Home Basic (32-bit)

FreeDOS

Certified Novell SUSE Linux Enterprise Desktop 11

PROCESSOR

Intel® 3rd Generation Core™ i7 Processors

Intel® Core™ i7-3770S

Up to 3.9 GHz turbo boost frequency, 8 MB cache, 4 cores, 8 threads

Intel HD Graphics 4000

Supports DDR3 memory up to 1600 MT/s data rate

Intel Stable Image Platform Program (SIPP)

Intel® 3rd Generation Core™ i5 Processors

Intel® Core™ i5-3570S

Up to 3.8 GHz turbo boost frequency, 6 MB cache, 4 cores, 4 threads

Intel HD Graphics 2500

Supports DDR3 memory up to 1600 MT/s data rate

Intel Stable Image Platform Program (SIPP)

Intel® Core™ i5-3475S

Up to 3.6 GHz turbo boost frequency, 6 MB cache, 4 cores, 4 threads

Intel HD Graphics 4000

Supports DDR3 memory up to 1600 MT/s data rate

Intel Stable Image Platform Program (SIPP)

Intel® Core™ i5-3470S

Up to 3.6 GHz turbo boost frequency, 6 MB cache, 4 cores, 4 threads

Intel HD Graphics 2500

Supports DDR3 memory up to 1600 MT/s data rate

Intel Stable Image Platform Program (SIPP)

Intel® 2nd Generation Core™ i3 Processors

Intel® Core™ i3-2130

3.4 GHz base frequency, 3 MB cache, 2 cores, 4 threads

Intel HD Graphics 2000

Supports DDR3 memory up to 1333 MT/s data rate

Intel® Core™ i3-2120

3.3 GHz base frequency, 3 MB cache, 2 cores, 4 threads

Intel HD Graphics 2000

Supports DDR3 memory up to 1333 MT/s data rate

Intel® Pentium® Processors

Intel® Pentium® G870

3.1 GHz base frequency, 3 MB cache, 2 cores, 2 threads Intel HD Graphics

Supports DDR3 memory up to 1333 MT/s data rate

Intel® Pentium® G860

3.0 GHz base frequency, 3 MB cache, 2 cores, 2 threads Intel HD Graphics

Supports DDR3 memory up to 1333 MT/s data rate

Intel® Pentium® G640

2.8 GHz base frequency, 3 MB cache, 2 cores, 2 threads Intel HD Graphics
Supports DDR3 memory up to 1066 MT/s data rate

Intel® Celeron® Processors

Intel® Celeron® G550

2.6 GHz base frequency, 2 MB cache, 2 cores, 2 threads Intel HD Graphics

Supports DDR3 memory up to 1066 MT/s data rate

Intel® Celeron® G540

2.5 GHz base frequency, 2 MB cache, 2 cores, 2 threads Intel HD Graphics

Supports DDR3 memory up to 1066 MT/s data rate

Intel® Celeron® G460

1.70 GHz base frequency, 1.5 MB cache, 1 core, 1 thread Intel HD Graphics

Supports DDR3 memory up to 1066 MT/s data rate

CHIPSET

Intel® Q75

INTEL® STANDARD MANAGEABILITY

Includes DASH 1.0/1.1 compliance plus:

- System Defense
- Agent Presence
- SOL/IDE Redirection
- CISCO NAC/SDN support
- ME Wake on LAN
- Host Based Configuration
- ME Firmware Rollback
- IPv6 Support

DASH 1.0/1.1 compliance:

- Boot Control
- HW Inventory
- SW Inventory
- Power State Management
- HW Alerting

SMBIOS

System Management BIOS, previously known as DMI BIOS, is used to store system management information.

GRAPHICS

Integrated (depends on processor)

Intel HD Graphics: Basic, 2000, 2500, or 4000

Models with Intel Core i3/i5/i7 processors include HD 2000, 2500, or 4000 graphics. Models with Pentium or Celeron processors include HD graphics. Please see specific processors for graphics configuration.

Discrete (optional)

AMD Radeon HD 7650A 2GB DDR3 MXM Graphics

Graphics controller AMD Radeon HD 7650A

Core clock 600MHz max Memory clock 800MHz max

Memory frame buffer 2MB, DDR3, 128-bit wide

Memory 2GB DDR3

Supported Graphics APIs DX11, OpenGL, full 1080p BD (H264)

playback in hardware, DisplayPort 1.2 support (supports up to 4 displays total - 4 independent video and audio streams)

NVIDIA GeForce GT 630M 2GB DDR3 MXM Graphics

Graphics controller NVIDIA GF108
Core clock 675MHz
Memory clock 900MHz

Memory frame buffer 2MB, DDR3, 128-bit wide

Memory 2GB DDR3

Supported Graphics APIs DX11, OpenGL, full 1080p BD (H264)

playback in hardware

WIRELESS DISPLAY

WiDi support with Intel Advanced-N 6205 WLAN (mini PCI Express)

Desktop system requirements for Intel Wireless Display

System Component Requirement

Processor 3rd generation Intel® Core processor

Graphics Intel® HD Graphics

Wireless Intel Advanced-N 6205 WLAN (mini PCI Express)

Software Intel® My WiFi Technology and Intel® Wireless Display must be pre-installed and enabled.

OS Windows 7 64-bit, Home Premium, Ultimate or Professional

DISPLAY

21.5"diagonal TN widescreen WLED backlit anti-glare LCD; orientation designed to operate in portrait or landscape

Display Panel Type TN (Twisted Nematic) LED Backlit LCD

Viewable image area 476.64 (H) x 268.11 (V)

(horizontal & vertical)

Screen opening 479.8 (H) x 271.3 (V)

 $(H \times V)$

Resolution 1920 x 1080

Aspect ratio 16:9
Contrast ratio 1000:1

(typical)

Brightness 250 nits (cd/m²)

(typical)

Viewing angle 85/85/80/80 (L/R/U/D)

(typical)

Pixel pitch 476.64 (H) x 268.11 (V)
Backlight lamp life 30,000 hours minimum

(to half brightness)

Color support Over 16 million colors (through FRM)

Color gamut 72%

(typical)

Anti-glare Yes

Default color temperature Warm (6500K)

NOTE: All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or

lower.

Basic Stand Tilt Angle -5° to +30°

Height Adjustable /Reclining Stand Tilt Angle

Low position sliding height adjustment => -5° to +60° High position sliding height adjustment => -5° to +30° Vertical adjustment=> up to 110 mm

WEBCAM & MIC

Optional integrated 2.0 MP webcam & dual microphone array; maximum resolution of 1920 x 1080

STORAGE

3.5 " SATA Hard Drive

250 GB, 7200 rpm, SATA 6.0 Gb/s, SMART IV 500 GB, 7200 rpm, SATA 6.0 Gb/s, SMART IV

2.5 " SATA Hard Drive

320 GB, 7200 rpm, SATA 6.0 Gb/s, SMART IV 500 GB, 7200 rpm, SATA 6.0 Gb/s, SMART IV

2.5" Solid State Drive

120 GB, SATA, Solid State Drive 128 GB, SATA, Solid State Drive

2.5" Self-Encrypting Solid State Drive

256 GB, SATA, Self-Encrypting Solid State Drive

Optical Disc Drive

Slim Tray-load SATA DVD-ROM Slim Tray-load SATA SuperMulti DVD Writer No included ODD

Media Card Reader (optional)

6-in-1 PCIe Interface
Supports Secure Digital (SD, SDHC), MultiMedia Card (MMC), xD-Picture Card, Memory Stick, Memory Stick Pro

MEMORY

Type

Non-ECC, DDR3 SDRAM, 1600 MT/s, SODIMM

Maximum

16 GB

of Slots

2

204-pin supporting dual-channel memory

Maximized dual-channel performance requires SODIMMs of the same size and speed in both memory slots.

NOTE: Full availability of 4 GB or more of memory requires a 64-bit operating system. With Windows 32-bit operating systems, the amount of usable memory is dependent upon your configuration, so that above 3 GB all memory may not be available due to system resource requirements.

Memory modules support data transfer rates up to 1600 MT/s; actual data rate is determined by the system's configured processor. See processor specifications for supported memory data rate.

NETWORKING/COMMUNICATIONS

Ethernet (RJ-45)

Integrated Intel 82579LM Gigabit Network Connection

NOTE: The term "10/100/1000" or "Gigabit" Ethernet indicates compliance with IEEE standard 802.3ab for Gigabit Ethernet, and does not connote actual operating speed of 1 Gb/s. For high-speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required.

Wireless LAN (optional)

Intel 802.11a/b/g/n wireless 6205 PCIe minicard Up to 300 mbps data rate HP 802.11b/g/n wireless PCIe minicard Up to 300 mbps data rate

HP 802.11a/b/g/n wireless minicard with Bluetooth Combo Up to 300 mbps data rate

Bluetooth 3.0 compliant

בועפנטטנוז 3.0 נטוווףוומוונ

Works with a wide range of Bluetooth devices

AUDIO/MULTIMEDIA

SRS Premium Sound™ (optional)
IDT 92HD91 Audio
High performance integrated stereo speakers
Volume control and mute buttons
Stereo headphone jack
Microphone in
Stereo line out

Integrated 2.0 MP webcam (up to 30 frames/sec) & dual microphone array (optional)

KEYBOARDS AND POINTING DEVICES

Keyboard

HP PS/2 104 keys plus special functions for Mute, Volume Up, Volume

Down, Sleep

Separate numeric keypad Cable length 51 in (130 cm)

HP USB 104 keys plus special functions for Mute, Volume Up, Volume

Down, Sleep

Separate numeric keypad Cable length 51 in (130 cm)

HP Wireless Keyboard & Mouse 104 keys plus special functions for Mute, Volume Up, Volume

Down, Sleep

Separate numeric keypad; two buttons with scroll wheel acting as

third button

Operates at ~ 2.4 GHz and supports a working distance of up to 32

ft (10m)

Cable length 6ft (1.8m)

HP USB CCID SmartCard Keyboard 104, 105, 106, 107, 109 layout (depending upon country

Carbonite/Silver

All ISO 7816 smart cards

HP USB PS/2 Washable Keyboard SpillSeal® keyboard technology protection

USB & PS/2 support in one solution

Separate numeric keypad Cable length 7ft (2.2m)

Mice

HP PS/2 Mouse Two buttons with scroll wheel

72.8 in (185 cm)

HP USB Optical Mouse Two buttons with scroll wheel

72.8 in (185 cm)

HP USB 1000dpi Laser Mouse 1000 dpi support

Two buttons with scroll wheel Cable length 70.8 in (180 cm)

HP USB PS/2 Washable Scroll Mouse SpillSeal® mouse technology protection

Two buttons with scroll wheel 8.8 ft total 70 cm+ 2m extension

HP BIOS

Key features of the HP BIOS include:

- Deployment and manageability HP BIOS provides several technologies that help integrate the HP Compaq Pro 6300
 Business PC into the enterprise, such as PXE, remote configuration, remote control, and F10 Setup support for 12 languages.
- Stability HP BIOS supports the HP stable product roadmap by releasing only critical BIOS changes to the factory and advanced change notification.
- Support UEFI specification 2.1
- Thermal and power management The HP BIOS provides and enables thermal and power management technologies so
 component temperatures are managed for high reliability and to assist in operating the HP Business Desktop computer in any
 enterprise environment.
- Thermal Controlled Fans Automatic or manual controlled fan speeds for cooling and acoustic performance Serviceability -HP BIOS provides diagnostic and detailed service information.
- Upgrades and recovery HP BIOS provides numerous ways to upgrade HP Business Desktop computers, including BIOS updates from within DOS (DOSFlash), BIOS updates from within Windows (HPQFlash), HP Client Manager, and fail-safe recovery (Emergency Boot Block Recovery). In addition, the HP Business Desktop BIOS Utilities tool enables replicated BIOS setup throughout the Enterprise; it is available from within the BIOS software and from the support website.
- HP BIOS uses PKI signing of the BIOS for trusted BIOS upgrades and recovery.

Additional HP BIOS Features:

- Power-On password Helps prevent an unauthorized user from powering on the system.
- Administrator password Also known as the setup password, this helps prevent unauthorized changes to the system
 configuration. If the administrator password is not known, the BIOS version cannot be changed and changes cannot be made
 to BIOS settings using F10 setup or under the OS.
- Advanced Configuration and Power Interface (ACPI) Represents a significant innovation in power and configuration
 management, allowing operating systems and applications to manage power based on activity and usage. HP Elite models
 use ACPI to provide power conservation features.
- S5 Max Power Savings setting supports EU Lot6 requirement and allows the computer to power down below 1W is S5 (when turned off). When S5 Max Power Savings feature is enabled power to slots is turned off along with WOL functionality.
- Master Boot Record Security Helps to prevent changes and/or infections to the Master Boot Record caused by viruses or malicious code.

SECURITY

USB port disable
HP Keyed Cable Lock (optional)
Common Criteria Certified, Infineon TPM SLB9635TT1.2 - 3.17 FW
Intrusion Detector
Lockable Access Panels
Wall Mountable via VESA bracket
Support for Nobel Locking Plate (3rd party option)
Support for 3M Privacy Screen (3rd party option)

POWER

Internal 180W, 90% efficient, active PFC 100-240V AC

HP Power Assistant software (optional)

Provides real-time reporting of how system settings impact the energy consumed by the PC and the potential savings over time.

SOFTWARE

Included

INCLUDED SOFTWARE COMPONENTS AND APPLICATIONS WITH WINDOWS OPERATING SYSTEM

- Adobe Flash Player
- Ask Search (alternate search engine)
- HP Marketplace
- HP Wallpaper
- Microsoft Advantage Program, including the following:
 - O Bing Bar Toolbar
 - O Bing Search
 - O Microsoft Internet Explorer Home Page
 - O Microsoft Office Starter 2010
- Microsoft Security Essentials
- PDF Complete Corporate Edition
- WinZip Basic
- Yahoo Search (alternate search engine)

INCLUDED HP DOCUMENTATION (eDOCS)

- HP eHelp Documentation
- HP Hardware Reference Guide
- HP Quick Setup & Getting Started Guide
- HP Regulatory and Safety Information
- HP Safety and Comfort Guide
- HP Warranty Documentation

INCLUDED HP SUPPORT APPLICATIONS

- HP EUDI Support Environment
- HP Help and Support
- HP Recovery Manager
- HP Setup v9.0
- HP Support Assistant

OPTIONAL SOFTWARE APPLICATIONS

HP ProtectTools Security Suite, including:

- HP ProtectTools Security Manager (w/webcam)
- Device Access Manager for HP ProtectTools
- Drive Encryption for HP ProtectTools
- File Sanitizer for HP ProtectTools
- Privacy Manager for HP ProtectTools
- HP Face Recognition for HP ProtectTools (w/webcam)

Multi-media and Audio Software Applications

- SRS Premium Sound
- Corel WinDVD 8 SD
- Roxio Creator Business 10 HD

Collaboration and Online Storage Solutions

Box.net Online Storage (10GB) - USA only

Productivity Solutions

Optional

- Microsoft Office Professional 2010*
- Microsoft Office Home & Business Edition 2010*
- Microsoft Office Personal 2010 (Japan only)*
- Microsoft Windows Virtual PC XP mode
- HP Power Assistant**
- PDF Complete Office Edition

*Microsoft Office 2010 Preloaded includes reduced functionality versions of Word and Excel. Purchase of Product Key required to activate full Office 2010 suite available at participating resellers/retailers and http://www.office.com.

**Provides real-time reporting of how system settings impact the energy consumed by the PC and the potential savings over time.

ENVIRONMENTAL & INDUSTRY

Energy Star® qualified models available

EPEAT® registered where applicable/supported. See www.epeat.net for registration status by country.

Industry standard certifications:

UL

CSA

FCC compliance

ENERGY STAR®

EPEAT® Gold

EUP Lot6 Tier2

CCC

CECP

SEPA

TCO AiO and Edge

Qualified for Microsoft Lync

BFR/PVC Free

Arsenic Free

For accessibility information on HP products, please visit: http://www.hp.com/accessibility.

WEIGHTS & DIMENSIONS

Weight

Product Weight

Basic stand

19.5 - 22.2lbs

8.83 - 10.08 kg

Height adjustable/reclining stand

31.2 - 33.9 lbs

14.13 - 15.38 kg

Without stand

14.6 - 17.4 lbs

6.63 - 7.88 kg

Shipping Weight

Box

Pallet

Basic Stand

31.09 lbs

14.10 kg

Basic Stand (18 units)

595.35 lbs

270 kg

Height adjustable/reclining stand Height adjustable/reclining stand (12 units)

40.92 lbs 491.10 lbs 18.56 kg 222.72 kg

Without stand Without stand (18 units)

26.24 lbs 503.80 lbs 11.90 kg 228.48 kg

Dimensions $(W \times D \times H)$

Product Dimensions

Basic stand

20.5 x 7.7 x 16.8 in 521.9 x 195.6 x 426.2 mm

Height adjustable/reclining stand

60 degrees 0 degrees

20.5 x 9.7 x 20.4 in 20.5 x 14.4 x 10.8 in 521.9 x 365.7 x 273.4 mm 521.9 x 247.5 x 518.8 mm

Without stand 20.5 x 2.6 x 14.5 in 521.9 x 65 x 367.4 mm **Shipping Dimensions**

Pallet Box

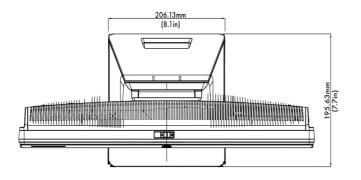
Basic stand Basic stand (18 units) 24.41 x 11.22 x 22.44 in 47.24 x 39.37 x 69.45in 1200 x 1000 x 1764 mm 620 x 285 x 570 mm

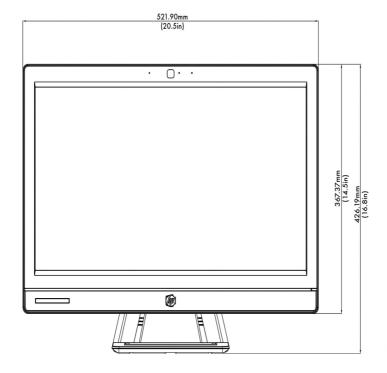
Height adjustable/reclining stand Height adjustable/reclining stand (12 units)

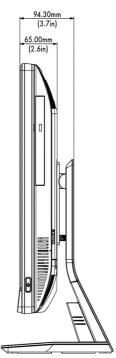
28.54 x 12.95 x 20.79 in 47.24 x 39.37 x 67.09 in 725 x 329 x 528mm 1200 x 1000 x 1704mm Without stand Without stand (18 units) 47.24 x 39.37 x 72.05 in

24.41 x 11.22 x 22.44 in 620 x 285 x 570 mm 1200 x 1000 x 1830 mm

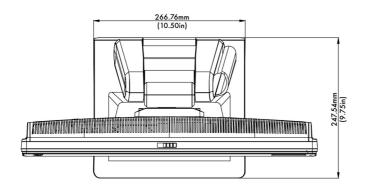
BASIC STAND DIMENSIONS

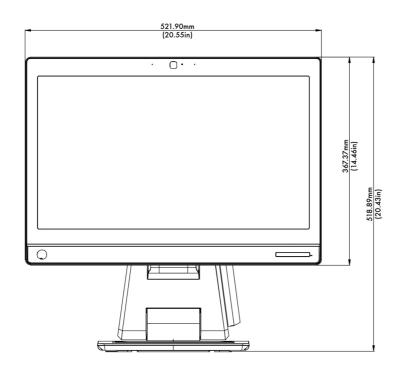


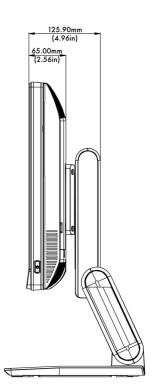




HEIGHT ADJUSTABLE/RECLINING STAND DIMENSIONS







TEMPERATURE, HUMIDITY, ALTITUDE

Temperature Operating 50° to 95° F (10° to 35° C)

Non-operating -22° to 140° F(-30° to 60° C)

Relative humidity Operating 10% to 90% (non-condensing at ambient)

Non-operating 5% to 95% (non-condensing at ambient)

Altitude Operating 10,000 ft (3048 m) (unpressurized) Non-operating 30,000 ft (9144 m)

PORTS

I/O Ports - Standard

- 4 USB 3.0 (2 side, 2 rear)
- 2 USB 2.0 (2 rear)
- 2 PS/2 (legacy) (one keyboard, one mouse)
- 1 Microphone in (side)
- 1 Headphone jack (side)
- 1 Serial RS-232 (rear) (optional)
- 1 Stereo audio line out (rear)
- 1 Power connector (rear)
- 1 RJ-45 (rear)
- 1 6-in-1 Media Card Reader (optional)
- 1 DisplayPort

DisplayPort connector supports multimode technology to support connection to DVI-D, HDMI and VGA monitors with optional adapters or to a DisplayPort monitor with a DisplayPort Cable.

DisplayPort Cable Provides a direct connection between the PC's DisplayPort interface to the display's

DisplayPort interface

DisplayPort To DVI-D Adapter Provides a connection from the PC's DisplayPort interface to the display's DVI-D interface;

adapts the DP output to the DVI-D input

DisplayPort To HDMI Adapter Provides a connection from the PC's DisplayPort interface to the display's HDMI interface;

adapts the DP output to the HDMI input

DisplayPort To VGA Adapter Provides a connection from the PC's DisplayPort interface to the display's analog VGA

interface; adapts the digital DP output to the analog VGA input

SLOTS

- 1 Mini PCIe half-length (used by wireless LAN module)
- 1 SD slot(media card reader)
- 1 MXM 3.0 Type A 35W
- 1 mSATA

BAYS

- 1 3.5" internal; Supports up to Two 2.5" hard drives or One 3.5" hard drive
- 1 5.25" external; Slim Line Optical Drive

SERVICE AND SUPPORT

On-site Warranty ¹: Three-year (3-3-3) limited warranty delivers three years of on-site, next business day ² service for parts and labor and includes free telephone support ³ 24 x 7. Three-year onsite and labor are not available in all countries. Service offers terms up to 5 years by choosing a Care Pack. To choose the right level of service for your HP product, visit HP Care Pack Central: www.hp.com/go/cpc

NOTE 1: Terms and conditions may vary by country. Certain restrictions and exclusions apply. Other warranty variations may be offered in your region.

NOTE 2: On-site service may be provided pursuant to a service contract between HP and an authorized HP third-party provider, and is not available in certain countries. Global service response times are based on commercially reasonable best effort and may vary by country.

NOTE 3: Technical telephone support applies only to HP-configured Compaq and third-party HP qualified hardware and software. Toll-free calling and 24 x 7 support may not be available in some countries.

Technical Specifications - Graphics

Intel HD Graphics

VGA Controller Integrated

DisplayPort 1.1a; integrated, multimode capable; supports HDCP and audio over DisplayPort

Bus Type PCI Express x16 **RAMDAC** Integrated, 350 MHz

Memory Intel graphics do not have dedicated memory but utilizes some of the computer's system memory The

amount of memory used for graphics depending on the amount of system memory installed, BIOS settings, operating system, and system load. 32 MB is pre-allocated for graphics use at system boot time. Additional memory can be allocated at boot time by the BIOS for PAVP (Protected Audio Video Playback) support for

playback of protected video content.

Additional memory is allocated for graphics as needed using Intel's Dynamic Video Memory Technology

(DVMT), to provide an optimal balance between graphics and system memory use.

Maximum Graphics

Microsoft Windows 7

Memory Up to 1.7GB

Note: the actual amount of maximum graphics memory can be less than the amounts listed above

depending upon your computer's configuration.

HW Video Decode

AVC/VC1/MPEG2/JPEG/MJPEG/PAVP

Maximum Color Depth

32 bits/pixel

Graphics/Video API Support

3<u>rd</u> Generation Core processors:

- The Processor Graphics contains a refresh of the seventh generation graphics core enabling substantial gains in performance and lower power consumption. Up to 16 EU support.
- Next Generation Intel Clear Video Technology HD Support is a collection of video playback and enhancement features that improve the end user's viewing experience
 - Encode/transcode HD content
 - Playback of high definition content including Blu-ray Disc
 - O Superior image quality with sharper, more colorful images
 - O Playback of Blu-ray disc S3D content using HDMI (V.1.4 with 3D)
- DirectX Video Acceleration (DXVA) support for accelerating video processing
 - Full AVC/VC1/MPEG2 HW Decode
- Advanced Scheduler 2.0, 1.0, XPDM support
- Windows 7, Windows XP, OSX, Linux OS Support
- DirectX 11, DirectX 10.1, DirectX 10, DirectX 9 support
- OpenGL 3.3 support

2nd Generation Core processors:

- The Processor Graphics contains a refresh of the sixth generation graphics core enabling substantial gains in performance and lower power consumption.
- Next Generation Intel Clear Video Technology HD support is a collection of video playback and enhancement features that improve the end user's viewing experience.
 - Encode/transcode HD content
 - Playback of high definition content including Blu-ray Disc
 - O Superior image quality with sharper, more colorful images
 - Playback of Blu-ray disc S3D content using HDMI (V.1.4 with 3D)
- DirectX Video Acceleration (DXVA) support for accelerating video processing
 - Full AVC/VC1/MPEG2 HW Decode
- Advanced Scheduler 2.0, 1.0, XPDM support
- Windows 7, XP, Windows Vista, OSX, Linux OS Support

Technical Specifications - Graphics

- DirectX 10.1, DirectX 10, DirectX 9 support
- OpenGL 3.0 support

Supported Display Resolutions and Refresh Rates

NOTE: other resolutions may be available but are not recommended as they may not have been tested and qualified by HP

Resolution	Digital
640x480	60
800x600	60
1024x768	60
1280x720	60
1280x1024	60
1440x900	60
1600x1200	60
1680x1050	60
1920x1080	60-R
1920x1200	60-R
1920x1440	N/A
2048x1536	N/A
2560x1600	60*

^{*} Only supported when using a DisplayPort connection

NOTE: Other resolutions may be available but are not recommended as the may not have been tested and qualified by HP

NOTE: 60-R denotes reduced blanking timings are used on single-link DVI connections and may be used with other digital connections

AMD Radeon HD 7650A Graphics Card

Form Factor MXM 3.0

Graphics Controller AMD Radeon HD 7650A

Core Clock 600MHz Memory Clock 800MHz

Memory 2GB, DDR3, 128-bit wide

Bus Type MXM **Max. Power** 35W

Power Source Support 12V and 19V **3D API Support** DX11, SMS

HDCP Support Yes

Display Max. ResolutionDigital 2560 x 1600
Analog 2048 x 1536

DX11, OpenGL, full 1080p BD (H264) playback in hardware, DisplayPort 1.2 support

Display Resolutions Supported

Supported Graphics APIs

NOTE: other resolutions may be available but are not recommended as they may not have been tested and qualified by HP

Resolution

800 x 600

1024 x 768

1280 x 720

1280 x 768

1280 x 1024

Technical Specifications - Graphics

1360 x 768

1440 x 900

1600 x 900

1680 x 1050

1920 x 1080

NVIDIA GeForce GT 630M

Bus Type MXM 3.0A Graphics Chip GT630M **Engine Clock** 675MHz **Memory Data Rate** 900MHz

Memory Size (width) 2GB (128 bit), DDR3

3D API Support Yes **HDCP** support Yes Max. Power 35-37W **Power Source Support** 12V and 19V **Display Max. Resolution** 1920 x 1080

Display Resolutions Supported

NOTE: other resolutions may be available but are not recommended as they may not have been tested and qualified by HP

Resolution

800 x 600

1024 x 768

1280 x 720

1280 x 768

1280 x 1024

1360 x 768

1440 x 900

1600 x 900

1680 x 1050

1920 x 1080

Technical Specifications – Hard Disk and Solid State Storage

Introduction:

HP Serial Advanced Technology Attachment (SATA) Hard Drives maximize the performance of HP Business PCs by providing the technologies to meet your increasing storage demands with high-capacity drives offering superior reliability and performance.

SATA provides faster data transfer speeds, better system cooling airflow, more bandwidth, more headroom for speed increases in future generations and better data integrity. A next-generation technology, the SATA interface connects hard drives to the PC platform enabling easy aggregation of multiple hard drives into a single PC. This offers you the additional benefits of dedicated bandwidth, the ability to more easily identify device failures and scalability. The HP Compaq 6300 Pro Series supports the latest SATA 6.0Gb/s specification.

HP Drive Lock

HP Serial ATA Hard Drives offer enhanced security via a new Drive Lock. When enabled, this ATA security feature set prevents software access to user data on the drive until one or two user-defined passwords are provided.

SMART IV Technology

Self Monitoring Analysis and Reporting Technology (SMART) hard drive technology allows hard drives to monitor their own health and to raise flags if imminent failures are predicted. If the drive determines that a failure is imminent, the SMART hard drive technology enables the intelligent manageability or management software to generate a fault alert. While the current versions of SMART hard drives do a good job monitoring the data on the hard drive media, the ever increasing emphasis on reliability and quality has promoted HP to implement SMART IV technology which constantly checks that the data flow from host interface to media and media to host interface is not compromised. This is accomplished by inserting a 2 byte parity code into every 512 byte block in the data path of the hard drive's Cache RAM. This unique parity checking performed by HP's SMART IV technology hard drives, allows for more complete error detection coverage encompassing the entire data path between the host and the hard drive.

Smart IV is also known as IOEDC: I/O Error Detection Code.

Native Command Queuing

NCQ or Native Command Queuing is a SATA protocol extension that allows the hard drive to have several write or read commands outstanding at the same time. In contrast, normal non-queued operation requires each command to be completed before the next command is issued by the host system. Queuing allows the drive to complete the commands in the order that allows for best overall throughput. It also involves an advanced method of transferring data to or from the host, called First Party Direct Memory Access (FPDMA), which allows the hard drive and the host controller to manage the data transfers for multiple outstanding commands, without involving the host processor. NCQ can contribute to better performance but the results are dependent on many factors, including the access patterns of the various applications and operating system functions that are initiating drive accesses. Enabling NCQ features in the hard drive requires AHCI support from the host system BIOS, controller, and driver. AHCI support is typically implemented in RAID configurations.

Note: GB = 1 billion bytes. Actual available capacity is less.

Technical Specifications – Hard Disk and Solid State Storage

HP 250-GB 7.2K SATA 6.0Gb/s 3.5" Hard Disk Drive

Capacity 250,059,350,016 bytes

Rotational Speed 7,200 rpm

Interface Serial ATA 3.0 (6.0 Gb/s)

Buffer Size 8 MB

Logical Blocks 488,397,168

Single Track: 1.0 ms **Seek Time** (typical reads, Average: 8.5 ms includes controller overhead, including settling)

Full-Stroke: 18 ms

Height (nominal) 1 in (2.54 cm)

Media diameter: 3.5 in (8.89 cm) Width (nominal)

Physical size: 4 in (10.2 cm)

Operating Temperature 41° to 131° F (5° to 55° C)

HP 500-GB 7.2K rpm SATA 6.0Gb/s 3.5" Hard Disk Drive

500,107,862,016 bytes Capacity

Rotational Speed 7,200 rpm

Interface Serial ATA 3.0 (6.0 Gb/s)

Buffer Size 16 MB

Logical Blocks 976,773,168

Single Track: 2.0 ms **Seek Time** (typical reads, includes controller overhead, Average: 11 ms including settling) Full-Stroke: 21 ms

Height (nominal) 1 in/2.54 cm

Media diameter: 3.5 in/8.89 cm Width (nominal)

Physical size: 4 in/10.2 cm

Operating Temperature 41° to 131° F (5° to 55° C)

Technical Specifications – Hard Disk and Solid State Storage

HP 1-TB 7.2K rpm SATA 6.0Gb/s 3.5" Hard Disk Drive

Capacity 1,000,204,886,016 bytes

Rotational Speed 7,200 rpm

Interface Serial ATA 3.0 (6.0 Gb/s)

Buffer Size 32 MB

Logical Blocks 1,953,525,168

Seek Time (typical reads, includes controller overhead, Average: 11 ms

including settling)

Full-Stroke: 21 ms

Height (nominal) 1 in/2.54 cm

Width (nominal) Media diameter: 3.5 in/8.89 cm

Physical size: 4 in/10.2 cm

Operating Temperature 41° to 131° F (5° to 55° C)

HP 320-GB 7.2K SATA 6.0Gb/s 2.5" Hard Disk Drive

Capacity 320,072,933,376 bytes

Rotational Speed 7,200 rpm

Interface Serial ATA 2.0 (3.0 Gb/s)

Buffer Size 16 MB

Logical Blocks 488,397,168

Seek Time (typical reads, includes controller overhead, Average: 12 ms

including settling) Full-Stroke: 22 ms

Height (nominal) 0.374 in/9.5 mm

Width (nominal) Media diameter: 2.5 in/63.5 mm

Physical size: 2.75 in/70 mm

Operating Temperature 41° to 131° F (5° to 55° C)

Technical Specifications – Hard Disk and Solid State Storage

HP 500-GB 7.2K SATA 6.0Gb/s 2.5" Hard Disk Drive

Capacity 500,107,862,016 bytes

Rotational Speed 7,200 rpm

Interface Serial ATA 2.0 (3.0 Gb/s)

Buffer Size 16 MB

including settling)

Logical Blocks 976,773,168

Single Track: 2.0 ms Seek Time (typical reads, Average: 12 ms includes controller overhead.

Full-Stroke: 25 ms

Height (nominal) 0.374 in/9.5 mm

Media diameter: 2.5 in/63.5 mm Width (nominal)

Physical size: 2.75 in/70 mm

Operating Temperature 41° to 131° F (5° to 55° C)

HP 120-GB Solid State Drive

Unformatted Capacity

Architecture Multi Level Cell (MLC) NAND Flash with wear leveling 10 channel controller

Interface Serial ATA 2.0 (3.0 Gb/s)

Dimensions (W x H x D) 2.74 x 0.37 x 4 in/6.98 x 0.95 x 10.2 cm

Weight 0.18 lb/80 g

Sustained Sequential Read: Up to 250 MB/s

Sustained Sequential Write: Up to 70 MB/s

Bandwidth Performance Random Read: Up to 35K IOPs

Random Write: Up to 6.6K IOPs

Read: 65-ms Latency

Write: 85-ms

DC power requirement: 5 VDC 5%-100 mV ripple p-p **Power**

Total power consumption: 0.15W (active); 0.075W (idle)

Useful Drive Life 35TB written, up to 20GB/day for 5 years

Operating Temperature: 32° to 158° F (0° to 70° C)

Relative Humidity: 5% to 95%

Environmental

Maximum Wet Bulb (all conditions, non-condensing) **Temperature** (operating):

Shock: 1,500 G/0.5-ms

Technical Specifications – Hard Disk and Solid State Storage

HP 128 GB Solid State Drive

Unformatted Capacity

Multi Level Cell (MLC) NAND **Architecture**

Interface SATA 6 GB/sec

Dimensions (W x H x D) 2.75 x 0.276 x 3.96 in (6.985 x 0.7 x 10.05 cm)

Weight 0.16 lb (73 q)

Sustained Sequential Read: Up to 450 MB/s

Sustained Sequential Write: Up to 260 MB/s

Bandwidth Performance Random Read: up to 46K IOPs

Random Write: up to 56K IOPs

Read: 55µs (TYP)

Latency Write: 55µs (TYP)

DC power requirement: Min 4.5 V; Max 5.5 V

Power Total power consumption: 160 mW (Active); <85 mW; (Idle)

Useful Drive Life 1.2 million device hours**

Operating Temperature: 32° to 158° F (0° to 70° C)

Relative Humidity: 5% to 95%

(all conditions, non-condensing)

Environmental

Maximum Wet Bulb 84° F (29° C) Temperature (operating):

Shock: 1,500 G/1.0 msec

UL, CSA, EN 60950-2000, CISPR Pub 22 Class B, CNS 13438, AS/NZS Regulations

CISPR 22:2002 Class B, Korea KCC, CE Mark

HP 128 GB Solid State Drive, documentation, 3.5-inch bay adapter bracket. **Option kit contents**

3.5-inch bay adapter bracket screws, SATA cable

^{*} For solid state disk drives, GB means 1 billion bytes. 128GB is the unformatted capacity of this drive before a portion of the drive is reserved for flash management features. Actual capacity will vary by content

^{**} The product achieves a mean time between failure (MTBF) based on population statistics not relevant to individual units.

Technical Specifications - Removable Storage

HP Slim SuperMulti DVD Writer Drive

Height 12.7mm height

Orientation Either horizontal or vertical

Interface type SATA/ATAPI

Disc recording capacity Up to 8.5 GB DL or 4.7 GB standard

Dimensions (W x H x D) 5.0 x 0.5 x 5.0 in (128 x 13.6 x 129 mm)

Weight (max) 0.42 lb (190 g)

DVD-RAM Up to 5X

DVD-R DL Up to 4X

DVD+R Up to 8X

DVD+RW Up to 4X

Write speeds DVD+R DL Up to 4X

DVD-R Up to 8X

DVD-RW Up to 6X

CD-R Up to 24X

CD-RW Up to 16X

DVD-RAM Up to 5X

DVD-RW, DVD+RW Up to 8X

DVD-R DL, DVD+R DL Up to 6X

Read speeds DVD+R, DVD-R Up to 8X

DVD-ROM DL, DVD-ROM Up to 8X

CD-ROM, CD-R Up to 24X

CD-RW Up to 24X

Random DVD: < 140 ms (typical), CD: < 125 ms (typical)

Full Stroke DVD: < 250 ms (seek), CD: < 210 ms (seek)

Access time Stop Time < 4 seconds

(typical reads, including settling)
Cache Buffer 2 MB (minimum)

Data Transfer Modes ATA PIO mode 4 (16.7 MB/s); ATA Multi-word DMA mode 2 (16.7

MB/s); ATA UltraDMA Mode 3 (44.4 MB/s - default)

Source Four-pin, DC power receptacle

DC Power Requirement 5 VDC ± 5%-100 mV ripple p-p

12 VDC ± 5%-200 mV ripple p-p

Technical Specifications - Removable Storage

Power DC Current 5 VDC (< 1000 mA typical, 1600 mA maximum)

12 VDC (< 600 mA typical, 1400 mA maximum)

Total Drive Power

(standby mode)

< 2.5 Watt

Line-Out 0.7 VRMS

Audio output Signal-to-Noise Ratio 74 dB

Channel Separation 65 dB

Temperature 41° to 122° F (5° to 50° C)

Environmental conditions

(operating - non-condensing)

Relative Humidity

10% to 90%

Maximum Wet Bulb

Temperature

86° F (30° C)

HP Slim DVD-ROM Drive

Height 12.7mm

Orientation Either horizontal or vertical

Interface type SATA/ATAPI

Dimensions (W x H x D) 5.0 x 0.5 x 5.0 in (128 x 13.6 x 129 mm)

Weight (max) 0.42 lb (190 g)

DVD+R/-R/+RW/

-RW/+R DL /-R DL

Data Transfer Modes

Up to 4X

Up to 8X

Read speeds DVD-ROM

CD-ROM, CD-R Up to 24X

CD-RW Up to 24X

Random DVD DVD: < 140 ms (typical), CD: < 125 ms (typical)

Access time Random CD

(typical reads, including settling)

DVD: < 250 ms (seek), CD: < 210 ms (seek)

ATA PIO mode 4 (16.7 MB/s); ATA Multi-word DMA mode 2 (16.7

MB/s)

Source Four-pin, DC power receptacle

DC Power Requirement 5 VDC ± 5%-100 mV ripple p-p

Power DC Current 5 VDC - <1000 mA typical, < 1600 mA maximum

Total Drive Power < 2.5 Watt

(standby mode)

Technical Specifications - Removable Storage

Line-Out 0.7 VRMS

Audio output Signal-to-Noise Ratio 74 dB

Channel Separation 65 dB

Temperature 41° to 122° F (5° to 50° C)

Environmental (all conditions

non-condensing)

Relative Humidity

Maximum Wet Bulb

Temperature (operating)

5% to 85% 86° F (30° C)

Technical Specifications – Memory

System Memory Support

The HP Compaq Pro 6300 Business PC supports the 2nd and 3rd generation Intel® Core™ processor families. Based on a new PC microarchitecture, the processor is designed for a two-chip platform consisting of a processor and Platform Controller Hub (PCH). Unlike previous generations, the processor includes an integrated memory controller (IMC). The IMC supports DDR3 protocols with two independent, 64-bit wide channels each accessing one or two DIMMs.

- Two channels of non-ECC DDR3 unbuffered dual in-line memory modules (UDIMM) or DDR3 unbuffered small outline dual in-line memory modules (SO-DIMM) with a maximum of two DIMMs per channel
- Single-channel and dual-channel memory organization modes
- Data burst length of eight for all memory organization modes
- DDR3 memory data transfer rates of up to 1600 MT/s; actual supported DDR3 data transfer rate determined by the configured processor.
- 64-bit wide channels
- DDR3 system memory I/O voltage of 1.5V
- Theoretical Maximum Memory Bandwidth:
 - 10.6 GB/s in single-channel mode of 21.3 GB/s in dual-channel mode assuming DDR3 1333 MT/s
 - 12.8 GB/s in single-channel mode or 25.6 GB/s in dual-channel mode assuming DDR3 1600 MT/s
 - O 32 GB maximum memory support depending upon available number of DIMM sockets

CAUTION: You must shut down the computer and disconnect the power cord before adding or removing memory modules. Regardless of the power-on state, voltage is always supplied to the memory modules as long as the computer is plugged in to an active AC outlet. Adding or removing memory modules while voltage is present may cause irreparable damage to the memory modules or system board.

Memory Configurations:

Slot 1 is black and must always be populated. Not all memory configurations possible are represented below.

NOTE: For systems configured with more than 3 GB of memory and a 32-bit operating system, all memory may not be available due to system resource requirements. Addressing memory above 4 GB requires a 64-bit operating system.

Total Memory	Socket	
	Channel A (black)	Channel B (black)
2 GB	2 GB	Unpopulated
4 GB (dual channel)	2 GB	2 GB
8 GB (dual channel)	4 GB	4 GB
16 GB (dual channel)	8 GB	8 GB

Technical Specifications - Communications

Intel 82579LM GbE Network Connection (integrated)

Connector RJ-45

System Interface Integrated on PCA

Controller Intel 82579LM GbE platform LAN connect networking controller

Memory 24 KB FIFO packet buffer memory

Data rates supported 10/100/1000 Mbps

802.1P 802.1Q 802.2

IEEE Compliance 802.3

802.3ab 802.3az 802.3u

Bus architecture PCI Express and SMBus

Data transfer mode PCIe-based interface for active state operation (SO state) and SMBus for host and management traffic

(Sx low power state)

Power requirement Requires 3.3V and 1.05V or just 3.3V with integrated regulators

Power consumption 0.697 Watts

Boot ROM support Yes

Network transfer mode Full-duplex

Half-duplex (not supported for the 1000BASE-T transceiver)

Network transfer rate 10BASE-T (half-duplex) 10 Mbps

10BASE-T (full-duplex) 20 Mbps 100BASE-TX (half-duplex) 100 Mbps 100BASE-TX (full-duplex) 200 Mbps 1000BASE-T (full-duplex) 2000 Mbps

Environmental Operating Temperature: 0° to 85° C

Operating Humidity: 60% RH

Management WOL, auto MDI crossover, PXE, Muti-port teaming, RSS, Advanced cable diagnostic.

Alerting ASF 2.0 support; AMT 7.0 support

Intel Centrino Advance-N 6205 Wireless Network Interface Connection

Wireless LAN Standards IEEE 802.11a/b/g/n

IEEE 802.11 e, 802.11i, 802.11d, 802.11d, 802.11h

Interoperability Wi-Fi certified (802.11 a/b/g/n WMM, WPA, WPA2 and WPS)

Tested with wireless access points from several major manufacturers

OS compatible with Microsoft Windows, Win7 and XP

Cisco Compatible Extensions Program compliant (802.11a/b/g only) with Microsoft Windows XP and

Windows 7

Frequency Band 2.4 GHz and 5 GHz

Antenna Structure 2 transmit; 2 receive (2x2)

Technical Specifications - Communications

Data Rates 802.11b: 1, 2, 5.5, 11 Mbps

802.11a/g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps

802.11n: 66 possible data rates, ranging from 6 Mbps to 300 Mbps, depending on the combination of

Bandwidth, Modulation Coding Scheme, and Guard Interval used, as defined in IEEE 802.11n

specification

Modulation Direct Sequence Spread Spectrum

DBPSK, DQPSK, CCK, OFDM, BPSK, QPSK, 16-QAM, 64-QAM

Security Supports 64- and 128-bit WEP, WPA, WPA2, hardware-accelerated AES (support for key sizes of

128bits), TKIP, 802.1x authentication types EAP-TLS, EAP-TTLS, PEAP, MSCHAP, PEAP-MSCHAPv2,

LEAP, EAP-FAST, EAP-SIM, EAP-AKA PAP, CHAP, TLS, GTC

Support for Cisco Security Features (proven compatibility with Cisco Aironet infrastructure products through the Cisco Compatible Extensions Program Version 4) with Microsoft Windows XP only.

Sub-channels Multinational support with frequency bands and channels compliant to local regulations.

Media Access Protocol CSMA/CA (Collision Avoidance) with ACK

Network Architecture Models Ad-hoc (Peer to Peer)

Infrastructure (Access Point Required)
Intel® My Wifi Technology (iPAN)

Roaming Provide seamless roaming between like access points (same frequency band)

Output Power (for CCK) 15 dBm
Output Power (for OFDM; 15 dBm

power varies by data rate)

Power Consumption Transmit: 2.3 Watts (average, with one spatial streams)

Receive: 1.9 Watts (average with two receive chains)

Idle mode: 30mW - 40mW (average)

Radio off: 20 mW (max)

Power Management ACPI compliant power management

802.11 compliant power saving mode

Antenna Connections 3 U.FL type connectors, 50 ohm nominal impedance

Range 802.11 a - Typical (@6 Mbps) 600 feet - Outdoor Open Area

150 feet - Indoor, Office environment

1200 feet - Outdoor Open Area

802.11 b - Typical (@1 Mbps)

300 feet - Indoor, Office environment

1200 feet - Outdoor Open Area

802.11 g - Typical (@1 Mbps)

300 feet - Indoor, Office environment

Form Factor MiniPCI-Express
Weight 0.013 lb (4.0 g)

 Dimensions
 1.1 x 1.2 in (26.8 x 30.0 mm)

 Operating Voltage
 3.3V +/- 9%, 1.5V +/- 5%

Temperature Operating: 32° to 176° F (0° to 80° C)

Non-operating: -40° to 176° F (-40° to 80° C)

Humidity Operating: 10% to 90% (non-condensing)

Non-operating: 5% to 90% (non-condensing)

Microsoft Windows XP Microsoft Windows Win 7

Technical Specifications - Communications

Configuration Utility

Microsoft Windows XP Wireless Network

Connection Manager

Intel PROSet for Microsoft Windows XP (required for Cisco Compatible Extensions

support)

 Intel IHV extensions for Win7 available to support Cisco Compatible Extensions

HP 802.11b/g/n Wireless PCIe Minicard

1.18 x 1.06 in (30 x 26.8 mm) **Dimensions** (L x H)

Controller Ralink RT5392 **System interface** PCI Express x1 **Network standard** 802.11 b/g/n

Frequency band 2.400 - 2.4835 GHz

14° to 140°F, operating (-10° to 60°C, operating) Operating temperature

-40° to 176°F, non-operating (-40° to 80°C, non-operating) Storage temperature

3.3V +/- .3V Operating voltage 1.2V +/- .06V

Platform/WLAN Mode

Power Consumption

Not configured (PC on and NIC is powered. Adaptor 160 mW not configured.)

Disabled (PC on and NIC is powered. Adaptor is

configured but disabled)

86 mW

Tx (Average power consumption measured while HT20 - 1670 mW adaptor is transmitting a packet.) HT40 - 1560 mW **Power Consumption**

Rx (Average power consumption measured while HT20 - 820 mW HT40 - 990 mW adaptor is receiving a packet.)

Idle associated (power save) 125 mW Idle non-associated 40 mW RF kill (RF diable) 29 mW Platform in S3 or S4 39 mW

802.11 g/n modes high data rate (54Mbps, +14 dBm +/- 1.5 dB maximum

MCS7,MCS15) **Output Power**

Security

+17 dBm +/- 1.5 dB maximum (approximate) 802.11 g/n modes low data rate (MCSO)

802.11 b modes +17 dBm +/- 1.5 dB maximum

IEEE 802.11i 64-/128-bit WEP encryption

WPA, WPA-PSK and TKIP, and WPA2 (with AES-CCM support)

802.1x authentication IEEE 802.11i WPA Security 64-/128-Bit WEP Key Privacy

IEEE 802.11i

Cisco CCX V1.0, V2.0, V3.0, V.4.0 and CCX5.0 certified

Antenna Nominal antenna port impedance specification is 50 ohm

Technical Specifications - Communications

HP 802.11a/b/g/n Wireless Minicard with Bluetooth Combo

Dimensions (L x H) 1.18 x 1.06 in (30 x 26.8 mm)

Controller Broadcom BCM43228 + BCM20702

System interface PCI Express x1 **Network standard** 802.11 b/g/n

Frequency band Bluetooth: 2.402 - 2.480 GHz

Wi-Fi: 802.11a - 5.15-5.85 GHz; 802.11bg 2.412-2.4835 GHz

Operating temperature 32° to 131°F, operating (0° to 55°C, operating)

Storage temperature -40° to 176°F, non-operating (-40° to 80°C, non-operating)

Humidity 5-90% operating 5-95% non-operating

Operating voltage 2.3 V 100/ 1/0 supply volta

Operating voltage 3.3 V ±9% I/O supply voltage

Platform/WLAN Mode Power Consumption

Wi-Fi

Tx Mode 515 mA Rx Mode 425 mA

Bluetooth

Power Consumption Tx Mode 40 mA

Rx Mode 38 mA

Wi-Fi + Bluetooth - 165 mA

Standby Mode Wi-Fi only - 165 mA

Bluetooth only - 0.5 mA

Radio Off 77 mA

802.11 a 15.5 dBm@6Mbps; 15.5 dBm@54Mbps

802.11 b 18.5 dBm@11Mbps

 Output Power
 802.11 g
 16.5 dBm@6Mbps; 16.5 dBm@54Mbps

(approximate) 802.11 n/2.4G 20MHz: 18 dBm@MCS0; 18 dBm@MCS15 40MHz: 17 dBm@MCS0; 17 dBm@MCS15

802.11 n/5G 20MHz: 16 dBm@MCS0; 16 dBm@MCS15

40MHz: 16 dBm@MCs0; 16 dBm@MCS15

IEEE 802.11i 64-/128-bit WEP encryption

WPS, WPA, WPA2, WEP 64bit & 128bit, IEEE 802.11x, IEEE 802.11i

Antenna Dual antenna connectors

Security

Technical Specifications - Audio

IDT 92HD91Audio

Type Integrated

HD Stereo Codec IDT92HD91 4-channel codec

Ports Line-In/Microphone input ports are 50K (nominal) at the pin

Line-Out intended to drive an external 10K load (nominal) and an on board shunt resistor of 20-47K

(nominal)

Headphone-Out designed to drive 32 ohm (nominal) headphones or a 10K (nominal) load

All ports are 3.5 mm

Internal Speaker Amplifier

2W/channel Class-D stereo BTL speaker amplifier@ 4 ohms and 4.75V

Sampling

The 92HD91 audio CODEC provides stereo 24- bit, full duplex resolution supporting sample rates up to 192kHz by the DAC and ADC. SPDIF outputs support sample rates of 192kHz, 96kHz, 88.2kHz, 48kHz,

and 44.1kHz. Additional sample rates are supported by the driver software.

Wavetable Syntheses

Yes - Uses OS soft wavetable

Analog Audio

Yes

of Channels on Line-Out

4 Channels (2 stereo DACs and 2 stereo ADCs) with 24-bit resolution

Internal Speaker Yes
External Speaker Jack Yes

SRS Premium Sound Technology

Introduction

SRS Premium Sound™ is a state-of-the-art solution suite which optimizes the audio experience for all business applications including VoIP, computer based training, business presentations and digital content creation for any speaker configuration (notebook/desktop speakers or headphones). SRS Premium Sound delivers natural and immersive surround sound complete with deep, enveloping bass and crystal clear dialog which allows users to clearly hear audio and voice in communications or presentations and ensures that digital content can be experienced with uncompromised quality.

SRS Premium Sound Features

- Premium audio experience for all applications including VoIP, Video Conferencing, Webcasts, Multimedia Presentations and Digital Content Creation
- Natural and Immersive sound from two speakers or headphones
- Custom-tuned solutions to provide superior natural sound from desktop speakers and headphones
- Crystal clear dialog
- Deep, rich bass
- Intuitive user interface with presets for ease of use

SRS Premium Sound Benefits

- Turn your desktop into a multimedia powerhouse!
- Bring your business communication to life with natural sounding voice and clear dialog
- Increase productivity by making computer based training, webcasts and VoIP available anytime and anywhere with crystal clear audio
- Make presentations shine with rich, expansive sound without the need for external speakers
- Take digital content creation to a new level with deep bass, enhanced fidelity and immersive surround sound which ensures that your content is heard with uncompromised quality and detail

HP USB Keyboard

Keys 104, 105, 106, 107, 109 layout (depending upon country)

Physical characteristics Dimensions (L x W x H) 18.12 x 6.47 x 0.96 in (46.03 x 16.43 x 2.44 cm)

Weight 2 lb (0.9 kg)

Operating voltage + 5VDC ± 5%

Power consumption 50-mA maximum (with three LEDs ON)

System interface USB Type A plug connector Electrical

ESD CE level 4, 15-kV air discharge

EMI - RFI Conforms to FCC rules for a Class B computing device

Microsoft® PC 99 - 2001 Functionally compliant

Keycaps Low-profile design

Switch actuation 55-g nominal peak force with tactile feedback

Switch life 20 million keystrokes (using Hasco modified tester)

Mechanical Switch type Contamination-resistant switch membrane

Key-leveling mechanisms For all double-wide and greater-length keys

Cable length 6 ft (1.8 m)

Microsoft PC 99 - 2001 Mechanically compliant

Acoustics 43-dBA maximum sound pressure level

Operating temperature 50° to 122° F (10° to 50° C)

Non-operating temperature -22° to 140° F (-30° to 60° C)

Operating humidity 10% to 90% (non-condensing at ambient)

Non-operating humidity 20% to 80% (non-condensing at ambient)

Environmental Operating shock 40 g, six surfaces

Non-operating shock 80 g, six surfaces

Operating vibration 2-g peak acceleration
Non-operating vibration 4-g peak acceleration

Drop (out of box) 26 in (66 cm) on carpet, six-drop sequence

Drop (in box) 42 in (107 cm) on concrete, 16-drop sequence

Approvals UL, CSA, FCC, CE Mark, TUV, TUV GS, VCCI, BSMI, C-Tick, MIC

Ergonomic compliance ANSI HFS 100, ISO 9241-4, and TUVGS

Keyboard Installation Guide Kit contents

Operating voltage

Warranty Card Safety and Comfort Guide

HP PS/2 Keyboard

Electrical

Keys 104, 105, 106, 107, 109 layout (depending upon country)

Physical CharacteristicsDimensions
18.12 x 6.47 x 0.96 in (46.03 x 16.43 x 2.44 cm)

(L x W x H)

Weight 2 lb (0.9 kg) minimum

Power consumption 50-mA maximum (with three LEDs ON)

+ 5VDC ± 5%

System interface PS/2 6-pin mini din connector

ESD CE level 4, 15-kV air discharge

EMI - RFI Conforms to FCC rules for a Class B computing device

Microsoft PC 99 - 2001 Functionally compliant

Keycaps Low-profile design

Switch actuation 55-g nominal peak force with tactile feedback

Switch life 20 million keystrokes (using Hasco modified tester)

Mechanical Switch type Contamination-resistant switch membrane

Key-leveling mechanisms For all double-wide and greater-length keys

Cable length 6 ft (1.8 m)

Microsoft PC 99 - 2001 Mechanically compliant

Acoustics 43-dBA maximum sound pressure level

Operating temperature 50° to 122° F (10° to 50° C)

Non-operating temperature -22° to 140° F (-30° to 60° C)

Operating humidity 10% to 90% (non-condensing at ambient)
Non-operating humidity 20% to 80% (non-condensing at ambient)

Environmental Operating shock 40 g, six surfaces

Non-operating shock 80 g, six surfaces

Operating vibration 2-g peak acceleration

Non-operating vibration 4-g peak acceleration

Drop (out of box) 26 in (66 cm) on carpet, six-drop sequence

Drop (in box) 30 in (107 cm) on concrete, 16-drop sequence

Approvals UL, CSA, FCC, CE Mark, TUV, TUV GS, VCCI, BSMI, C-Tick, KC

Key Benefits:

Electrical

Technical Specifications – Keyboards and Pointing Devices

Ergonomic compliance ANSI HFS 100, ISO 9241-4, and TUVGS

HP USB Smart Card (CCID) Keyboard Introduction:

Boost your security, simplify access procedures and reduce the costs associated with managing networks by preventing unauthorized access to your computers and networks using smartcard technology with the HP Smart Card (CCID) Keyboard.

The USB Smart Card (CCID) Keyboard is a full-sized keyboard that takes advantage of digital signatures and certificates to secure the environment for transactions performed on both public and private networks. The USB Smart Card (CCID) Keyboard works with all smart cards that comply with ISO standard 7816.

Smart cards are easy-to-use credit card-sized devices which require multiple forms of information to be validated before you gain access to your accounts or resources. Used worldwide, smart cards strengthen access to a network or other resource using dual-factor authentication. Implementing a two-factor authentication (or multi-factor authentication) process reduces the risk of unauthorized access by verifying and validating your identity in one of the following ways:

- Something you know a combination of username and password or PIN
- Something you have a smart card or security token.

Something you have (smart card) plus something you know (PIN), improves user-access security within corporate network environments. Smart cards are used in government agencies, healthcare companies and the finance industry.

HP ProtectTools Smart Card Manager provides authentication software for the smart card. The Smart Card Reader module works with the HP ProtectTools Security Manager and enables the user to setup, use, and manage the smart card. This allows strengthened security with HP patented technology.

- Protects against unauthorized access with smart card technology
- Delivers even greater security when combined with a HP ProtectTools smart card and the HP ProtectTools Security Software
- Combination of username and password or pin with a smart card or security token
- Secures online transactions using digital signatures and certificates
- Conforms to industry standards for ease of setup and use
- Delivers long product life and quiet operation with high-impact materials and lubricated keys
- Spill drain feature

Keys 104, 105, 106, 107, 109 layout

(depending upon country

Form factor USB basic smart card keyboard

Physical Characteristics Colors Carbonite/Silver

Dimensions 18.2 x 6.3 x 1.3 in (46.3 x 16.1 x 3.3 cm)

 $(H \times W \times D)$

Weight 2 lb (0.9 kg) minimum

Operating voltage $+ 5VDC \pm 5\%$

Power consumption 100-mA maximum (with four LEDs ON)

System interface USB Type A plug connector

ESD CE level 4, 15-kV air discharge

EMI - RFI Conforms to FCC rules for a Class B computing device

Microsoft PC 99 - 2001 Functionally compliant

Languages 30+ available

Environmental

Technical Specifications – Keyboards and Pointing Devices

Keycaps Standard design

Switch actuation 55 g nominal peak force with tactile feedback

Switch life 20 million keystrokes

(using Hasco modified tester)

Mechanical Switch type Contamination-resistant membrane

Key-leveling mechanisms For all double-wide and greater-length keys

Cable length 6 ft (1.8 m)

Microsoft PC 99 - 2001 Mechanically compliant

Acoustics 43-dBA maximum sound pressure level

Operating temperature 50° to 122° F (10° to 50° C) Non-operating temperature -22° to 140° F (-30° to 60° C)

Operating humidity 10% to 90% (non-condensing at ambient) Non-operating humidity 20% to 80% (non-condensing at ambient)

Operating shock 40 g, six surfaces
Non-operating shock 80 g, six surfaces

Operating vibration 2-g peak acceleration Non-operating vibration 4-g peak acceleration

Drop 26 in (66 cm) on carpet, six-drop sequence

(out of box)

Drop 42 in (107 cm) on concrete, 16-drop sequence

(in box)

Support All ISO 7816 smart cards

Interface Reads from and writes to all ISO7816-1, 2, 3, 4 memory and

microprocessor smart cards (T=0, T=1)

Chipset SCM STCIII

Standard APIs supported PC/SC, EMV2000, CT-API

Power USB Port

Short circuit detection (protects smart card and reader)
Power supply compliant with ISO7816 and EMV (5V, 60 mA)

Supports 3-V and 5-V cards

SmartCard Function Power consumption 100-mA maximum draw

Communication From card 9600 bps to 330,000 bps

From computer 12 Mbps (USB transfer speed)

Landing mechanism Contact device Friction contact

Card insertions rating Up to 100,000 insertion cycles

Interface modes CCID protocol

Reader performance interface USB connection

Electro-magnetic standards Europe 2004/108/EC

USA USAFCC part 15

Approvals CE-Mark, UL, CSA, FCC, CE Mark, TUV, TUV GS, VCCI, BSMI, C-Tick, MIC, EMV2000, USB-IF

Ergonomic Compliance ISO 9241-4, TUVGS

Kit Contents Keyboard, I/O Security and Documentation CD, warranty card

HP USB PS/2 Washable Keyboard

Keys 104 (US) Layout, 105 (EU) layout - depending upon country

Physical Characteristics

Dimensions 17.67x 6.62 x 1.38 in (449 x 168 x 35 mm) (L x W x H)

Weight 1.7 lb (0.77 kg) minimum

Operating voltage + 5VDC ±5%

Power consumption 50-mA maximum (with three LEDs ON)

System interface USB Type A plug connector Electrical

ESD CE level 4, 15-kV air discharge

EMI - RFI Conforms to FCC rules for a Class B computing device

Microsoft® PC 99 - 2001 Functionally compliant

Keycaps Stepped -profile design

Switch actuation 55-g nominal peak force with tactile feedback

Switch life 20 million keystrokes

Switch type Contamination-resistant switch membrane Mechanical

Key-leveling mechanisms For all double-wide and greater-length keys

Cable length 7 ft (2.2 m)

Microsoft PC 99 - 2001 Mechanically compliant

Acoustics 43-dBA maximum sound pressure level

Operating temperature 50° to 122° F (10° to 50° C)

Non-operating temperature -22° to 140° F (-30° to 60° C)

Operating humidity 10% to 95% (non-condensing at ambient)

Non-operating humidity 0% to 95% (non-condensing at ambient)

Operating shock 40 g, six surfaces **Environmental**

Non-operating shock 80 g, six surfaces

Operating vibration 2-g peak acceleration

Non-operating vibration 4-g peak acceleration

Drop (out of box) 26 in (66 cm) on carpet, six-drop sequence

Drop (in box) 42 in (107 cm) on concrete, 16-drop sequence

Operating system support Windows® 7, Windows Vista, Windows XP Professional

Approvals UL, cUL, FCC, CE, TUV GS, VCCI, BSMI, C-Tick, KCC, USB-IF, WHQL, EN/IEC 60601-1, IP66/NEMA4X

Ergonomic compliance ANSI HFS 100, ISO 9241-4, and TUVGS

HP Wireless Keyboard and Mouse

Dimensions (H x L x W) 1.09 x 18.1 x 6.47 in (27.87 x 460.3 x 164.3 mm

Keyboard Weight – Without Two AA 1.94 lb (880 g)

Alkaline Batteries

Dimensions (H x L x W) 1.46 x 4.53 x 2.47 in (37 x 115 x 62.9 mm)

Mouse Weight – Without Two AA 0.15 lb (67 g)

Alkaline Batteries

Dimensions (H x L x W) 0.33x 1.79 x 0.72 in (8.4 x 45.5 x 18.4 mm)

Weight 0.21 oz (5.9 g)

Cable Length – Minimum 6 ft (1.8 m)

Range 32.8 ft (10 m)

Windows 7 Home Basic*, Windows 7 Home Premium*, Windows 7 Professional Edition 32*, Windows 7 Professional Edition 64*, Windows 7 Ultimate Edition 32*, Windows 7 Ultimate Edition 64*

Windows Vista or Windows XP Available USB port for the receiver

CD-ROM Drive

*This system may require upgraded and/or separately purchased hardware and/or a DVD drive to install the Windows 7 software and take full advantage of Windows 7 functionality. See http://www.microsoft.com/windows/windows-7/ for details.

Product Safety

UL; CSA /TUV (Europe only); CE Mark; CB Report

Ergonomics

ANSI; ISO (Europe only); GS Mark (Germany only)

EMC FCC; CE; ACA (-tick); BSMI; KC; VCCI

CE Mark EN 55022:2010; EN 55024; EN 301489-1; EN 61000

System Requirements

Design Guidelines for PCs

PC 99 - connector overmold colors; PC 2001 - full functionality

Telecom All local telecom requirements and approvals for intended

markets

USA FCC Title 47 CFR, Par 15, Subpart C; other local requirements

Country Support US, Belgium, Switzerland, Spain, Denmark, Netherlands, France,

Germany, Italy, Portugal, Sweden, Norway, Finland, UK, Poland, Czech Republic, Turkey, Greece, Austria, Bulgaria, Cyprus, Estonia, Hungary, Ireland, Latvia, Lithuania, Luxemburg, Malta, Romania, Slovakia, S

Slovakia, Slovenia, Vietnam, HK, Australia, NZ, Malaysia,

Singapore, Indonesia, Philippines, Thailand, Canada, China, Japan, Korea, Taiwan, India, Venezuela, Ecuador, Russia, Ukraine, Israel, Croatia, United Arab Emirates, Peru, Brazil, Chile, Argentina, Mexico, South Africa, and up to 193 countries worldwide.

HP PS/2 Mouse

Dimensions 1.46 x 2.48 x 4.53 in (3.70 x 6.29 x 11.50 cm)

(H x L x W)

Electrical

Scroll wheel

Technical Specifications – Keyboards and Pointing Devices

Weight 3.53 oz (100g; +10g/- 5 g)

Operating temperature -32° to 104°F (0° to 40° C)

Non-operating temperature -4° to 140°F (-20° to 60° C)

Operating humidity 10% to 90%

(non condensing at ambient)

Non-operating humidity 10% to 90%

(non condensing at ambient)

Environmental Operating shock 40 g, 6 surfaces

Non-operating shock 80 g, 6 surfaces

Operating vibration 2 g peak acceleration

Non-operating vibration 4 g peak acceleration

Drop 80 cm height onto asphalt tile over concrete or equivalent, 5-drop

(out of box) in 5 direction except the cable face

Operating voltage 5 VDC ± 10%

Power consumption 100mA

System consumption PS/2 mini-din connector

ESD CE level 4, 15 kV air discharge

EMI-RFI Conforms to FCC rules for a Class B computing device

Microsoft PC99 - 2001 Functionally compliant

Resolution 800 DPI

Tracking speed 10 in/s (25.4 cm/s) maximum

Acceleration ±15%

Switch actuation 65±20 gf

Mechanical Switch life 3,000,000 operations (using Hasco modified tester)

Switch type Low force micro-switches

Tracking mechanism life 80 km

Cable length 6 ft (1.8 m)

Microsoft PC99 - 2001 Mechanically compliant

Width 6 mm

Diameter $22.5 \pm 0.2 \text{ mm}$

Maximum rotation force 50 gf-cm

Switch type Light force micro-switch

Switch life 1 million operations

Mechanical life Minimum 200,000 revolutions

Technical Specifications – Keyboards and Pointing Devices

Regulatory Approvals UL/cUL, FCC, CE Mark, TUV/GS, VCCI, KCC, BSMI, C-Tick

HP USB Mouse

Dimensions (H x L x W)

1.5 x 4.5 x 2.5 in (3.8 x 11.6 x 6.3 cm)

Weight

0.22 lb (0.10 kg)

Cable length

70.9 in (180 cm)

System requirements

Available USB port

HP USB 1000dpi Laser Mouse

Dimensions

1.47 x 4.53 x 2.47 in (37.3 x 114.97 x 62.86 mm)

(HxLxW)

Weight

3.360 oz (102g)

Cable length

70.9 in (180 cm)

System requirements

Available USB port

Environmental

Operating Temperature

32° to 104° F (0° to 40° C)

Non-operating Temperature

-4° to 140° F (-20° to 60° C)

Operating Humidity

10% to 90%

(non-condensing at ambient)

Mechanical

Resolution

1000dpi

Tracking Speed

45 cm/sec

Cable Length

70.9 in (180 cm)

HP USB PS/2 Washable Mouse

Dimensions (H x L x W)

1.56 x 2.44 x 4.61 in (3.95 x 6.21 x 11.7 cm)

Weight

4.44 oz (126 g)

Environmental

Operating temperature -32° to 104°F (0° to 40° C)

Non-operating

-4° to 140°F (-20° to 60° C)

temperature

Operating humidity
Non-operating humidity

10% to 90% (non-condensing at ambient) 10% to 90% (non condensing at ambient)

Operating shock 40 g, 6 surfaces

Non-operating shock 80 g, 6 surfaces

Operating vibration 2 g peak acceleration

Non-operating vibration

4 g peak acceleration

Drop (out of box) 80 cm height onto asphalt tile over concrete or equivalent, 5-drop in 5 direction

except the cable face

Electrical Operating voltage 5 VDC ± 10%

Power consumption 100mA

System consumption PS/2 mini-din connector ESD CE level 4, 15 kV air discharge

EMI-RFI Conforms to FCC rules for a Class B computing device

Microsoft® PC99 – 2001 Functionally compliant

Mechanical Resolution 400 ± 20% DPI

Tracking speed 10 in/s (25.4 cm/s) maximum

Acceleration 100 in/s/s (2.54 m/s/s)

Switch actuation 61 g nominal peak force

Switch life 3,000,000 operations (using Hasco modified tester)

Switch type Low force micro-switches

Tracking mechanism life 155 mi (250 km) at average speed of 10 in/s

Cable length 6 ft (1.8 m)

Microsoft PC99 – 2001 Mechanically compliant

Scroll wheel Width 8 mm

Compliant

Diameter 1.01 in (25.6 mm)

Maximum rotation speed 48 rats/sec

Switch type Light force micro-switch
Switch life 1 million operations

Mechanical life Minimum 200,000 revolutions

Regulatory approvals

Compatibility Operating system support

UL, CSA, FCC, CE Mark, TUV, TUV GS, VCCI, BSMI, C-Tick, MIC

Windows 7, Windows Vista Business 64*, Windows Vista Business 32*, Windows Vista Home Basic 32*, Windows 2000, Windows XP Professional or Windows XP Home 32* (No driver is required for this device. Native support is

provided by the operating system.), xpe, ce.net, Linux, XP-64

* Certain Windows Vista product features require advanced or additional hardware. Windows Vista Upgrade Advisor can help you determine which features of Windows Vista will run on your computer. To download the tool, visit: http://www.windowsvista.com/upgradeadvisor. For Windows Vista system requirements, visit:

http://www.windowsvista.com/systemrequirements.

Options and Accessories (sold separately)

AFTER MARKET OPTIONS:

MEMORY	Part Number
HP 2GB DDR3-1600 (PC3-12800) SODIMM	B4U38AA
HP 4GB DDR3-1600 (PC3-12800) SODIMM	B4U39AA
HP 8GB DDR3-1600 (PC3-12800) SODIMM	B4U40AA

DATA STORAGE DRIVES AND ACCESSORIES	Part Number
1 TB, 7200 rpm, SATA -6.0 Gb/s	QK555AA
500 GB, 7200 rpm, SATA -6.0 Gb/s	QK554AA
128 GB SATA Solid State Drive	QV063AA
HP Slim DVD-ROM Drive	VP033AA
HP Slim SuperMulti DVD Writer Drive	QS209AA

INPUT DEVICES	Part Number
HP PS/2 Mouse	QY775AA
HP USB 1000dpi Laser Mouse	QY778AA
HP USB Mouse	QY777AA
HP USB PS/2 Washable Scroll Mouse	BM866AA
HP Mouse Pad	AT485AA
HP USB Smart Card (CCID) Keyboard	BV813AA
HP Wireless Keyboard & Mouse	QY449AA
HP USB PS/2 Washable Keyboard	VF097AA
HP USB Keyboard	QY776AA
HP USB Grey Keyboard	B6B64AA

SECURITY	Part Number
HP Keyed Cable Lock	BV411AA

MISCELLANEOUS	Part Number
Belkin Promo 7-Outlet Surge Protector	AG290AA
Belkin USB to Serial Adapter	EM449AA
DisplayPort Cable	VN567AA
DisplayPort To DVI-D Adapter	FH973AA
DisplayPort To HDMI Adapter	BP937AA
DisplayPort To VGA Adapter	AS615AA

STANDS AND MONITOR ARMS	Part Number
AiO Height Adjustable Stand	C1N43AA
HP Single Monitor Arm	BT861AA

HP COMPAQ PRO 6300 ALL-IN-ONE PC

Options and Accessories (sold separately)

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